TROFFER RECESSED MOUNT FIXTURES

MFTR

Application

Replacement for T12 Recessed Mount Fixture

Construction

Reflectors: Precision formed, high performance, 95% total reflectance specular reflector, warranted for 25 years or 91% total reflectance white pre-painted aluminum.

Body: Body, ends and brackets are manufactured from code gauge cold rolled steel and have white baked enamel finishes. Access Plate on housing top and flush Knockouts on ends for mounting and electrical connections. Fixture body must be a minimum of 14" wide at top for 3 lamp kit.

Lens: Standard - Pattern 12 Acrylic Prismatic . Optional - Clear, Poly Carb, etc...

Ballast: Standard ballast are high performance electronic, Class P, non PCB, sound rated A, UL certified.

Mounting: Recessed mounted

Electrical

UL listed wire rated for required temperature and voltage. Lamps are secured with twist-locking sockets.

Warranty

One year standard warranty on fixture. Ballast carries 3-5 year manufacture warranty.

Options

Lamps, Reflector Material, Sensor, Lens Material (See available options)

Features

- Total Luminaire Efficiency: 76.5%
- Spacing Criteria 0-Deg: 1.2, 90-Deg:1.3
- Available in both T8 and T5
- Optional Factory supplied lamps are available in various CRI ratings, temperature colors and rated life Ballast and wiring access
- Ballast and wiring access without the use of tools.
- Instant Restrike
- Dimming/Occupancy sensor compatible

Ordering Information

Use the Flow chart below to configure the part number. Actual part number may vary due to configuration.

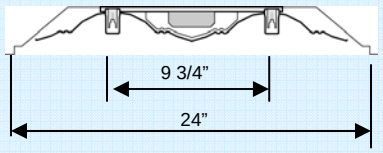
MFTR	
	Type TR Troffer Recessed Mount Fixture
	Number of Lamps Req'd **24** - 2-4' **34** - 3-4'
	Ballast **T8H -** T8 "H" (120-277v) **T8N -** T8 "N" (120-277v) **T5H -** T5 "H" (120-277v) * 347 and 480v see options
	Reflector Material **W** - White pre painted aluminum 91% TR **U** - Ultimate aluminum 95% TR
	Sensor □ - All Lamps □ - Portion of Lamps
	Options See Options Sheet □ Lamps, □ Lens

Photometrics

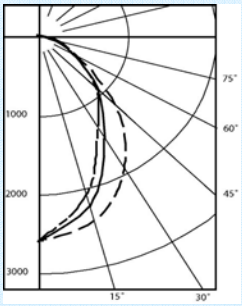
Coefficient of Utilization 2 FO32 Fixture Report

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	76
1	84	81	78	76	82	80	77	75	76	74	72	73	72	70	71	69	68	66
2	78	72	68	64	76	71	67	63	68	65	62	66	63	61	64	61	59	58
3	72	65	59	55	70	64	59	55	62	57	54	60	56	53	58	55	52	50
4	66	58	52	48	65	57	52	47	55	50	47	54	49	46	52	48	45	44
5	61	52	46	41	59	51	45	41	50	44	40	48	44	40	47	43	40	38
6	56	47	40	36	55	46	40	36	45	39	35	44	39	35	42	38	35	33
7	52	42	36	31	51	42	36	31	40	35	31	39	34	31	38	34	31	29
8	48	38	32	27	47	37	31	27	36	31	27	35	31	27	35	30	27	25
9	44	34	28	24	43	34	28	24	33	27	24	32	27	23	31	27	23	22
10	41	31	25	21	40	31	25	21	30	24	21	29	24	21	28	24	21	19

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1495	24.1	31.5
0- 60	4048	65.3	85.4
0- 90	4740	76.5	100.0
90-180	0	0.0	0.0
0-180	4740	76.5	100.0



Legend 0-deg: 45-deg: 90-deg:

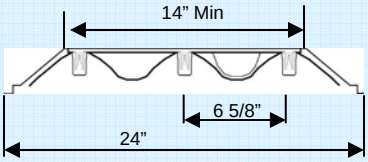


Total Fixture Efficiency: 76.5%

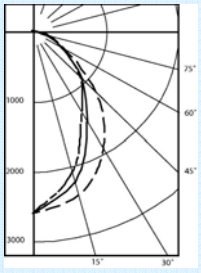
Coefficient of Utilization 3 FO32 Fixture Report

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	82	82	82	82	80	80	80	80	77	77	77	74	74	74	71	71	71	69
1	76	73	71	68	74	72	69	67	69	67	65	66	65	63	64	63	61	60
2	70	65	61	58	69	64	60	57	62	59	56	60	57	55	58	55	53	52
3	65	59	54	50	63	58	53	49	56	52	49	54	50	48	52	49	47	46
4	60	53	48	43	59	52	47	43	50	46	43	49	45	42	47	44	42	40
5	56	48	43	38	55	47	42	38	46	41	38	45	41	37	43	40	37	36
6	52	44	38	34	51	43	38	34	42	37	34	41	37	34	40	36	33	32
7	49	40	35	31	48	40	34	31	39	34	31	38	34	30	37	33	30	29
8	46	37	32	28	45	37	32	28	36	31	28	35	31	28	34	30	27	26
9	43	34	29	26	42	34	29	26	33	29	25	32	28	25	32	28	25	24
10	40	32	27	23	40	32	27	23	31	26	23	30	26	23	30	26	23	22

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1396	24.1	33.2
0- 60	3598	62.0	85.7
0- 90	4200	72.4	100.0
90-180	0	0.0	0.0
0-180	4200	72.4	100



Legend 0-deg: 45-deg: 90-deg:



Total Fixture Efficiency: 72.4%